MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2017/2018

PCG0013 – COMPUTER GRAPHICS 1

(All Sections / Groups)

16 OCTOBER 2017
9.00 AM - 11.00 AM
(2 Hours)

INSTRUCTIONS TO STUDENTS

1.This question paper consists of 7 pages including this cover page with **25** Questions only. **(Total Marks : 40)**

2. **Answer ALL questions from Section A and Section B, and answer any 2 out of the 5 questions in Section C.** All questions carry marks and the distribution of the marks for each question is shown in bracket.

3. Please print all your answers in the answer booklet provided.

SECTION A : Fill in the Blank (1 mark each / Total 10 marks)
Answer All questions in Figure 1
Name the tools that is displayed below (A to J)

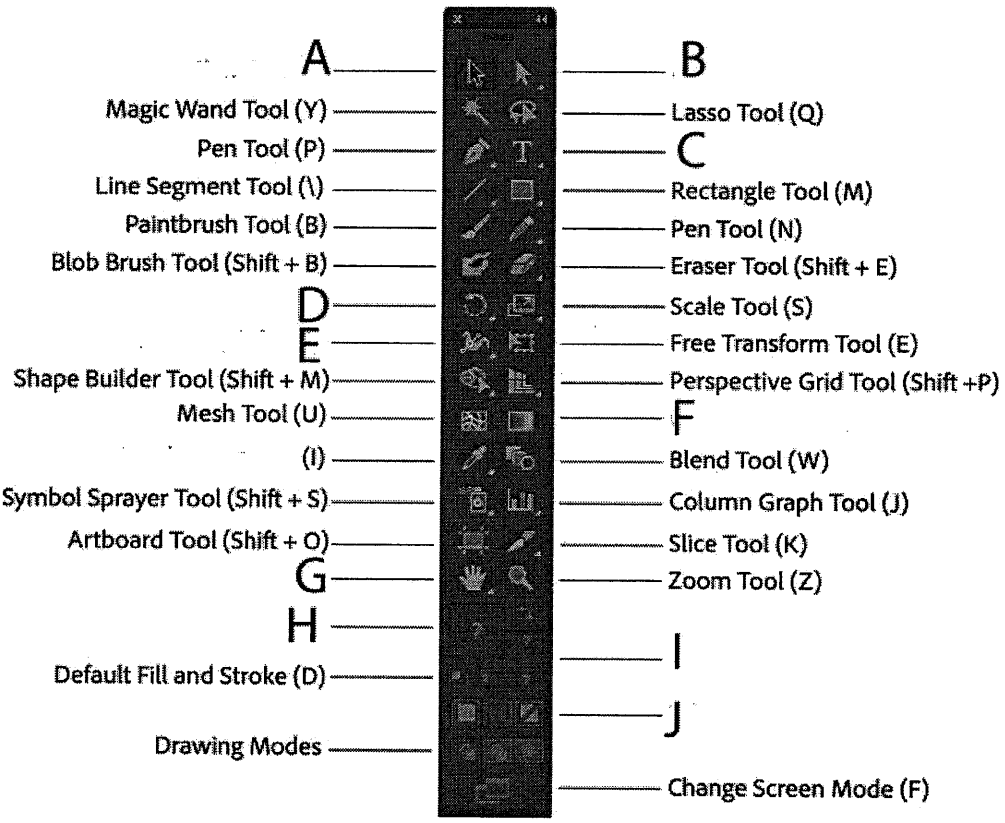

Figure 1

1. A.....
2. B.....
3. C.....
4. D.....
5. E.....
6. F.....
7. G.....
8. H.....
9. I.....
10. J.....

(Total : 10 Marks)

Continued .....

SECTION B : Choose the best answer (2 marks each / Total 20 marks)

1. Which of these is possible?

   A. Using Photoshop to convert raster images to vector images
   B. Using Illustrator to convert bitmap images to vector images
   C. Using Bridge to convert grayscale images to vector images
   D. Using Dreamweaver to convert gifs into vector images

2. Resolution is the term used to describe the number of _____, used to display an image.

   A. Lines or pixels
   B. Dots or pixels
   C. Lines and dots
   D. Pixels and dotted lines

3. Adobe Illustrator made up of (i) and (ii) defined by mathematical objects are called (iii)

   A. lines, shapes, rasters
   B. lines, shapes, vectors
   C. lines, curves, vectors
   D. lines, paths, vectors

4. You select a graphic on your page and choose Object > Arrange > Send to Back. However, it still appears on top of another object. What is likely the problem?

   A. The object in the background is on a different layer.
   B. The graphic is locked.
   C. You need to select the image inside the frame, not the frame.
   D. You should use Object > Arrange > Send Backward.

5. The file size of an image is the digital size of the image file, measured in_____

   A. Kilobytes (Kb), Megabytes (Mb), or gigabytes (Gb).
   B. Kilobits (kpbs), Megabits (mbps) or terabits (tbps)
   C. Kilopixel (kp), Megapixel (Mp), or terrapixel (tp)
   D. Pixelbytes (Pb), Megapixelbytes (Mpb), or GigaPixelbytes (Gpb)

Continued .....

6. This command makes your color smooth and blend one color with another in an object. Name this command.

   A. Envelope
   B. Swatches
   C. Gradient
   D. Warp

7. The Panel with all Color properties, stroke properties, opacity is the .....

   A. Tool Panel
   B. Document Panel
   C. Control Panel
   D. Status Panel

8. You draw a shape and notice it is created under another shape on your artboard. What is the reason for this?

   A. You are drawing with a compound path selected.
   B. The drawing mode is set to Inside.
   C. You are drawing with a clipping mask selected.
   D. The drawing mode is set to Behind.

9. You have several shapes filled with various shades of black. You want to convert these filled shapes to RGB colors so you can adjust them as needed. When you select the shapes, and choose Edit > Edit Colors, you notice that the Convert to RGB option is not available. What solution would you suggest to make the Convert to RGB option available?

   A. Specify an appropriate working RGB color space.
   B. Change the Document Color Mode to RGB Color.
   C. Specify an appropriate working CMYK color space.
   D. Change the Document Color Mode to CMYK Color.

10. You've applied Image Trace to an image in Adobe Illustrator. You would like to see what the original image look like so that you can evaluate the quality of the tracing. How can you easily compare the current view with the original image?

    A. Toggle the View > Outline command.
    B. Switch between Tracing Result and Source Image in the View drop-down menu in the Image Trace panel.
    C. Choose Edit > Undo and Edit > Redo.
    D. Hold and release the eye icon to the right of the View drop-down menu in the Image Trace panel

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SECTION C : Answer any 2 out of the 5 questions (Total 10 marks)

Question 1 (5 marks)

Referring to Figure 2 below, explain how to create this typography and what type of tool should be used.

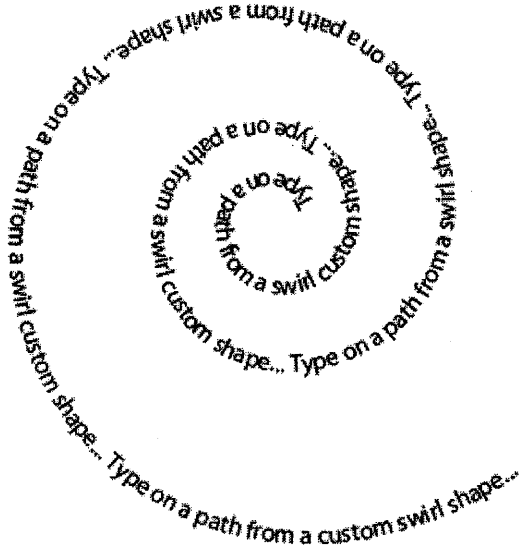
Type on a path from a swirl custom shape... Type on a path from a custom swirl shape...
Type on a path from a swirl custom shape... Type on a path from a swirl custom shape...
Type on a path from a swirl custom shape... Type on a path from a swirl custom shape...
Type on a path from a swirl custom shape...

Figure 2

Question 2 (5 marks)

Referring to Figure 3 below, explain these three (3) processes of using the Pen Tool.

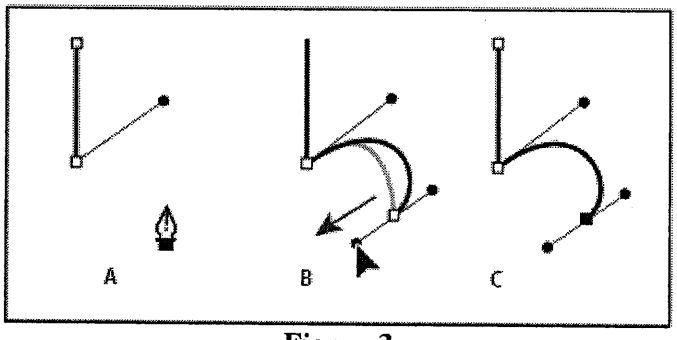

Figure 3

Continued .....

Question 3 (5 marks)

Referring to Figure 4 below, A = being the ORIGINAL type object. How can you change the shape of letter **"m"** as shown in B?

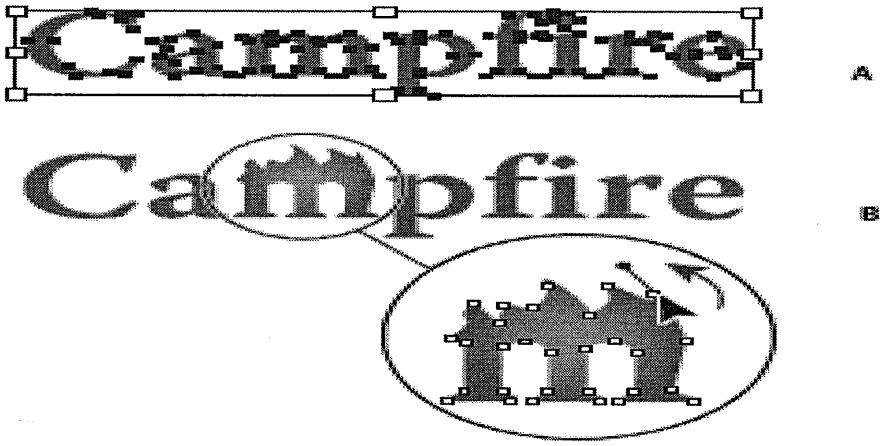

Figure 4

Question 4 (5 marks)

Referring to Figure 5 below, explain the differences between BITMAP and VECTOR images.

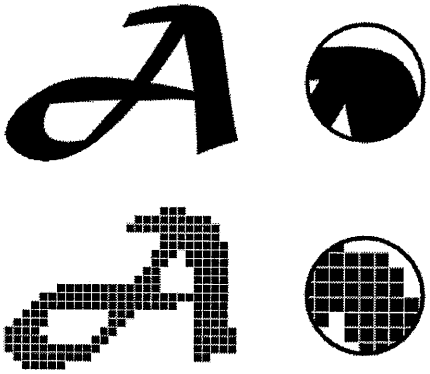

Figure 5

Continued .....

Question 5 (5 marks)

Referring to Figure 6 below, elaborate the function of EXCLUDE in the Pathfinder Tool.

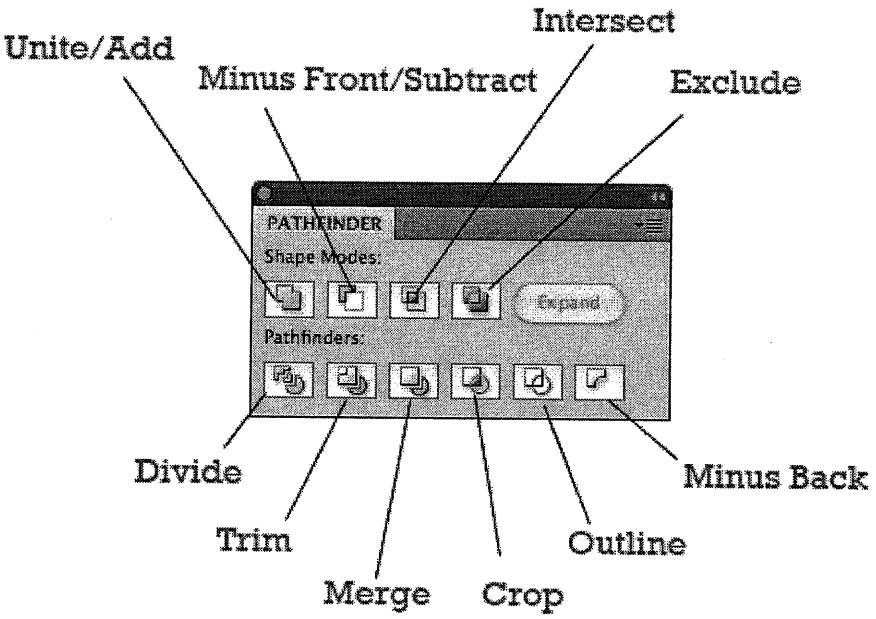

Figure 6

End of Paper.